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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,891	02/24/2004	Hirotohi Nemoto	107348-00393	9987
4372	7590	08/09/2005	EXAMINER	
ARENT FOX PLLC 1050 CONNECTICUT AVENUE, N.W. SUITE 400 WASHINGTON, DC 20036			EPPS, TODD MICHAEL	
			ART UNIT	PAPER NUMBER
			3632	

DATE MAILED: 08/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/784,891	Applicant(s) NEMOTO ET AL.	
	Examiner Todd M. Epps	Art Unit 3632	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/27/2004</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This is the first Office Action for serial number 10/784,891, Anti-vibration Support System For Engine, filed February 24, 2004.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,422,546 B1 to Nemoto et al. (Nemoto). Nemoto discloses an elastic member (14), a liquid chamber (24), a movable member (20), an actuator (29), wherein the vibration of the engine is prevented from being transmitted to a vehicle body frame by controlling a supply of electric current (U) to actuator (29), an active anti-vibration supporting device is prohibited when an abnormality in an operational state of the engine is detected (fig. 1-9); an elastic member (14) is formed from rubber; the movable member (20) is vertically movable and includes a shaft portion extending into an actuator (29); an actuator (29) includes an outer shell defined by an actuator housing (30); a yoke (32) is fixed to a lower portion of an actuator housing (30), and a coil (34); a disk-shaped armature (38) is slidably supported on an inner peripheral surface of an actuator housing (30) and opposite an upper surface of a coil (34); a biasing member (42) is disposed between an armature (38) and a bobbin (33) around which coil (34) is

Art Unit: 3632

wound and biases an armature upward; a cylindrical slider (43) is slidably fitted a cylindrical portion of a yoke (32) and includes a boss (44) to which a shaft portion (20a) of a movable member (20); a cylindrical bearing (36) is slidably fitted between a cylindrical portion of a yoke (32) and a cylindrical slider (43); a coiled biasing member (41) is disposed between a cylindrical bearing (36) and a cylindrical slider (43), and a coiled biasing member biases a cylindrical bearing (36) and cylindrical slider (43) in respective opposite directions.

Claims 11-20 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,422,546 B1 to Nemoto et al. (Nemoto). Nemoto discloses an elastic member (14), a liquid chamber (24), a movable member (20), an actuator (29), wherein the vibration of the engine is prevented from being transmitted to a vehicle body frame by controlling a supply of electric current (U) to actuator (29), a cylinder suspension of the engine is prohibited when an abnormality in an operational state of an active anti-vibration supporting device is detected (fig. 1-9); an elastic member (14) is formed from rubber; the movable member (20) is vertically movable and includes a shaft portion extending into an actuator (29); an actuator (29) includes an outer shell defined by an actuator housing (30); a yoke (32) is fixed to a lower portion of an actuator housing (30), and a coil (34); a disk-shaped armature (38) is slidably supported on an inner peripheral surface of an actuator housing (30) and opposite an upper surface of a coil (34); a biasing member (42) is disposed between an armature (38) and a bobbin (33) around which coil (34) is wound and biases an armature upward; a cylindrical slider (43) is slidably fitted a cylindrical portion of a yoke (32) and includes a boss (44) to which a

Art Unit: 3632

shaft portion (20a) of a movable member (20); a cylindrical bearing (36) is slidably fitted between a cylindrical portion of a yoke (32) and a cylindrical slider (43); a coiled biasing member (41) is disposed between a cylindrical bearing (36) and a cylindrical slider (43), and a coiled biasing member biases a cylindrical bearing (36) and cylindrical slider (43) in respective opposite directions.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent No. 6,902,156 B2 to Muramatsu et al.

U.S. Patent No. 6,808,167 B2 to Kodama

U.S. Patent No. 6,695,294 B2 to Miller et al.

U.S. Patent No. 6,616,130 B2 to Hakazono et al.

U.S. Patent No. 6,388,733 B1 to Hayashi

U.S. Patent No. 6,176,477 B1 to Takeo et al.

U.S. Patent No. 5,647,579 to Satoh

The above references disclose structure similar to the applicant's invention.

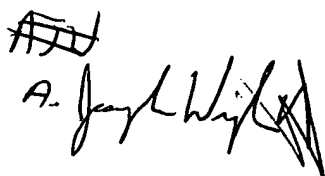
Art Unit: 3632

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Todd M. Epps whose telephone number is 571-272-8282. The examiner can normally be reached on M-F (7:30-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Olszewski can be reached on 571-272-6788. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Todd M. Epps
Patent Examiner
Art Unit 3632
August 4, 2005

A handwritten signature in black ink, appearing to read "A. Jay L. Epps", with a stylized flourish at the end.